

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method of ~~detecting the presence of a neurotoxin in~~ screening a human subject having or at risk of having a neurological disorder comprising, analyzing a keratinous tissue sample from the subject to determine the presence of β -N-methylamino-L-alanine (BMAA) or a BMAA derivative, wherein the presence of BMAA or a BMAA derivative in the sample indicates the subject has or is at risk of having the neurological disorder ~~is indicative of the presence of a neurotoxin.~~

2 - 4. (Cancelled)

5. (Previously presented) The method of Claim 1, wherein protein-bound BMAA is analyzed.

6. (Original) The method of Claim 5, wherein free BMAA is also analyzed.

7. (Original) The method of Claim 1, wherein the subject has symptoms of a neurological disorder.

8. (Original) The method of Claim 1, wherein the subject is asymptomatic for a neurological disorder.

9. (Original) The method of Claim 1, wherein the subject has been identified as being at risk for developing a neurological disorder.

10. (Cancelled)

11. (Currently amended) The method of Claim 1 ~~10~~, wherein the neurological disorder is a neurofibrillary tangle disorder (NFT disorder).

12. (Original) The method of Claim 11, wherein the neurological disorder is amyotrophic lateral sclerosis-Parkinsonism dementia complex (ALS-PDC).

13. (Original) The method of Claim 11, wherein the neurological disorder is Alzheimer's disease.

14. (Original) The method of Claim 11, wherein the neurological disorder is progressive supranuclear palsy.

15. (Currently amended) The method of Claim 1 ~~10~~, wherein the neurological disorder is a movement disorder.

16. (Original) The method of Claim 15, wherein the movement disorder is Parkinson's disease.

17. (Currently amended) The method of Claim 1 ~~10~~, wherein the neurological disorder is a motor neuron disease.

18. (Original) The method of Claim 17, wherein the motor neuron disease is amyotrophic lateral sclerosis (ALS).

19 - 28. (Cancelled)

29. (Currently amended) The method of Claim 1 ~~28~~, wherein the tissue is hair.

30. (Currently amended) The method of Claim 1 ~~28~~, wherein the tissue is skin.

31. (Currently amended) The method of Claim 1 ~~28~~, wherein the tissue is nail.

32. (Previously presented) The method of Claim 31, wherein the nail is a fingernail.

33. (Previously presented) The method of Claim 31, wherein the nail is a toenail.

34 - 75. (Cancelled)